

Dialkyl hydrogen phosphites and dialkyl phosphorochloridites derived from chlorine-substituted alcohols

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Abstract

1. A study of the IR spectra of bis(2,2,2-trichloro-1,1-dimethylethyl) hydrogen phosphite and of bis[2-chloro-1-(chloromethyl)ethyl] hydrogen phosphite indicates that these substances contain quinquivalent phosphorus. 2. 2,2,2-Trichloro-1,1-dimethylethyl dihydrogen phosphite was synthesized, and its IR spectrum was determined. 3. Bis[2,2,2-trichloro-1-(trichloromethyl)ethyl] phosphorochloridite and bis[2,2-dichloro-1-(dichloromethyl) ethyl] phosphorochloridite were synthesized by the action of phosphorus trichloride on 1,1,1,3,3,3-hexachloro-2-propanol and 1,1,2,2-tetrachloro-2-propanol, respectively. © 1967 Consultants Bureau.

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